PTO/SB/01 (10-01)

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Dock t Nur	nber 2001-IF	2-003334U2P1	
		First Nam d Invento	r Jame	s Frederick Pyecroft	
		COMPL	COMPLETE IF KNOWN		
		Application Number			
Declaration Submitted OR with Initial	Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Filing Date			
		Art Unit			
Filing		Examiner Name			
As the below named inventor, I her	eby declare that:				
My residence, mailing address, and c	sitizenship are as stated belov	v next to my name.			
I believe I am the original and first invi	entor of the subject matter wh	nich is claimed and for which	ch a patent is so	ought on the invention entitled:	
Subterranean Formation Formations	Treating Fluid and	Methods of Fract	uring Subt	erranean	
	(Title of the Inv	vention)			
the specification of which	,				
is attached hereto					
OR _					
was filed on (MM/DD/YYYY)		as United States A	pplication Numl	per or PCT International	
Ĺ					
Application Number	and was amended	d on (MM/DD/YYYY)		(if applicable).	
I hereby state that I have reviewed and any amendment specifically referred to	d understand the contents of above.	the above identified specif	ication, includir	g the claims, as amended by	
I acknowledge the duty to disclose info applications, material information whici international filing date of the continual		patentability as defined in 3 the filing date of the prior a	37 CFR 1.56, in application and	cluding for continuation-in-part the national or PCT	
I hereby claim foreign priority benefits breeder's rights certificate(s), or 365(a States of America, listed below and hi breeder's rights certificate(s), or any claimed.	a) of any PC1 international a ave also identified below by	application which designate checking the box, any for	ed at least one	country other than the United	
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO	
Additional foreign application num	nbers are listed on a supplem	nental priority data sheet P	TO/SB/02B ett-	Ched hereto:	
- д	and motor of a copplete	priority data sneet P	. JIJBIUZD alla	BUIEU NEIEU.	

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Nu or Bar Code		OR	Correspondence address below	v
Robert A. Kent				
Name				
Halliburton Energy Services				ᅱ
P.O. Box 1431				
Duncan		ок	73536-0440	
City		State	ZIP	j
USA	580-251-3125		580-251-3917	
Country	Telephone		Fax	_
I hereby declare that all statements made herein of mare believed to be true; and further that these statements are punishable by fine or imprisonment, or both validity of the application or any patent issued thereon	nents were made with h, under 18 U.S.C. 10	h the knowledge that 101 and that such willf	willful false statements and the like so ul false statements may jeopardize the	
NAME OF SOLE OR FIRST INVENTOR :	A petition h	as been filed for t	his unsigned inventor	
Given Name James Frederick (first and middle [if any])		Family Name Pye	ecroft	
inventor's J. J. //	J.		15 W/y 2003	,
Carrollton	TX	USA	US	\exists
Residence: City	State	Country	Citizenship	_
4230 Fairway Drive, Apartm	ent 1303			ı
Mailing Address				_]
Carrollton	TX	7501	^{LO} USA	
City	State	ZIP	Country	
NAME OF SECOND INVENTOR:	A petition has	s been filed for this	s unsigned inventor	\neg
Given Name Jim D. (first and middle [if any])		Family Name or Surname	Weaver	
Inventor's Jan D. M.	Lave	1	Date Tule 172	20
Duncan	ок	USA	US	7
Residence: City	State	Country	Citizenship	
Mailing Address Route 4, Box 230 B1				
City Duncan	State OK	ZIP 7353	33 Country USA	_]
Additional inventors are being named on the	supplemental Addition	nal Inventor(s) sheet(s) PTO/SB/02A attached hereto.	

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PTO/SB/81 (05-03)
Approved for use through 11/30/2005. OMB 0651-0035
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	Filing Date	
POWER OF ATTORNEY OR	First Named Inventor	James Frederick Pyecroft,
	Title	Subterranean Formation
AUTHORIZATION OF AGENT	Art Unit	202100
	Examiner Name	
	Attorney Docket Number	2001-IP-003334U2P1
I hereby appoint:		
Practitioners at Customer Number OR X Practitioner(s) named below:		Place Customer Number Bar Code Label here
Traculoner(s) Harried Delow.		
Name		Registration Number
See attached		
s my/our attorney(s) or agent(s) to prosecute the application in rademark Office connected therewith.	dentified above, and to transac	t all business in the United States Patent and
lease change the correspondence address for the above-iden	tified application to	
	ou approadon to.	
The above-mentioned Customer Number.		
OR Practitioners at Customer Number.		Place Customer Number Bar Code
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am the: Applicant/Inventor. X Assignee of record of the entire interest. See 37 CFR 3		
X Assignee of record of the entire interest. See 37 CFR 3 Statement under 37 CFR 3.73(b) is enclosed. (Form P		
SIGNATURE of A	pplicant or Assignee of Reco	ord
mme Robert A. Kent		
gnature Pokul a Kinh		
ate 7-/7-03	Т	elephone 580-251-3125
OTE: Signatures of all the inventors or assignees of record of the entire	interest or their representative/s) a	

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

forms if more than one signature is required, see below*.

forms are submitted.

*Total of

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Potent and Tredemark Office; U.S. DEPARTMENT OF COMMENCE

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DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Halliburton Energy Services, Inc. Practitioners		Baker Botts Practitioners	
William E. Shull	29,438	Scott F. Partridge	28,142
Michael D. McCully	29,566	Mitchell D. Lukin	30,772
Mark A. Smith	30,220	Claude E. Cooke, Jr.	34,142
William M. Imwalle	35,904	Paul N. Katz	35,917
Paul I. Herman	37,349	Ronald L. Chichester	36,765
Robert A. Kent	28,626	Howard Speight	37,733
Craig W. Roddy	36,256	Michael Hawes	38,487
John W. Wustenberg	35,415	Roger J. Fulghum	39,678
		Michael Locklar	44,878
		Carey C. Jordan	47,646
		John Shumaker	52,223
		David C. Sulkis	52,260
		•	
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STATEMENT UNDER 37 C	FR 3.73(b)
Applicant/Patent Owner: James Frederick Pyecroft, et	al
Application No./Patent No.: <u>Unknown</u> Filed/Issue Date: _	Concurrently Herewith
Entitled: Subterranean Formation Treating Fluid a	nd Methods of Fracturing Subterranean
Halliburton Energy Services, Inc.,a corp	oration e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1. 📝 the assignee of the entire right, title, and interest; or	
an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is in the patent application/patent identified above by virtue of either:	% 654 U.S.
A. [X] An assignment from the inventor(s) of the patent application/patent in the United States Patent and Trademark Office at Reelattached.	t identified above. The assignment was recorded, Frame, or for which a copy thereof is
OR .	
B. [] A chain of title from the inventor(s), of the patent application/patent below:	identified above, to the current assignee as shown
1. From: To:	
The document was recorded in the United States Patent and	Trademark Office at
Reel, Frame, or for wh	ich a copy thereof is attached.
2. From: To:	
The document was recorded in the United States Patent and Reel, or for w	Trademark Office at hich a copy thereof is attached.
3. From: To: To: The document was recorded in the United States Patent and	Trademark Office at
Reel, Frame, or for	which a copy thereof is attached.
[] Additional documents in the chain of title are listed on a supp	lemental sheet.
[X] Copies of assignments or other documents in the chain of title are atta [NOTE: A separate copy (<i>i.e.</i> , the original assignment document or a t must be submitted to Assignment Division in accordance with 37 CFR recorded in the records of the USPTO. See MPEP 302.08]	rue copy of the original document)
The undersigned (whose title is supplied below) is authorized to act on bet $97 - 17 - 03$	_
Date	Robert A. Kent
_580-251-3125	Typed or printed name
Telephone number	Tabul U Bank
relephone number	Signature
-	Senior Counsel
	Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ASSIGNMENT

Whereas, I/We, James Frederick Pyecroft of Denton County, Carrollton, Texas, and Jim D. Weaver of Stephens County, Duncan, Oklahoma, have invented "Subterranean Formation Treating Fluid and Methods of Fracturing Subterranean Formations" for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on July 15, 2003 , submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed thisday of July, 2003, at Carrollton, Dallas County, Texas U.S.A. Signature	-
State of Texas)	
) ss County of Dallas)	
Before me personally appeared said James Frederick Pyecroft and acknowledged the foregoing	,
instrument to be his free act and deed this	
Notary Public, State of Texas Commission Expires 02-26-2005 (Notary Public)	

Executed this	day of July, 2003, at Duncan, Stephens County, Oklahoma U.S.A.
	Jam D. Mear Signature
State of Oklahoma)
County of Stephens) ss)
Before me personally to be his free act and d	appeared said Jim D. Weaver and acknowledged the foregoing instrument leed this day of July, 2003.
Seal 2 · 13 · 2006	Dammer Versch (Notary Rublic) #0202595

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